



COMMERCIAL OFF-THE-SHELF EQUIPMENT WORKING GROUP

Presented By:

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Defense Special Weapons Agency

Alexandria, VA



CWG Mission

PSEAG

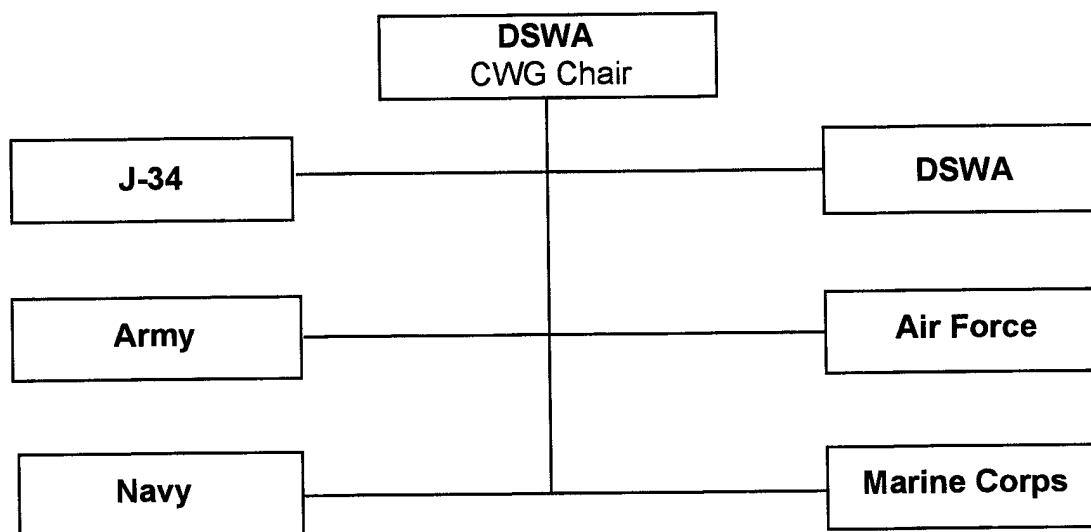
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CWG

To support the DoD PSEAG through identification and rapid procurement of COTS items for test and evaluation by Services and DSWA for use as material solutions to Service, CINC, and field commands, in response to identified antiterrorism and Force Protection (AT/FP) deficiencies as provided and prioritized by J-34.

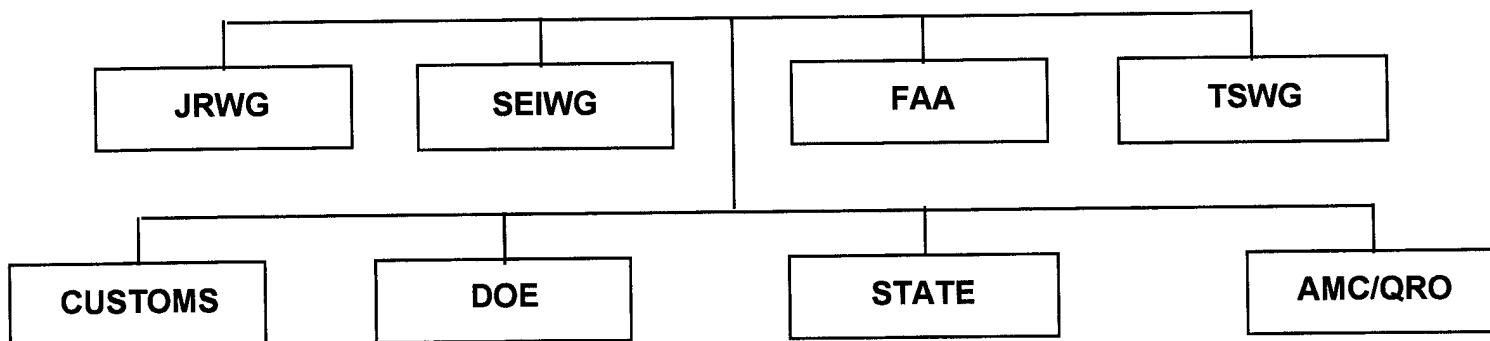


CWVG Organization

MEMBERS



Advisory Members





Major Responsibilities

◆ COMMITTEE

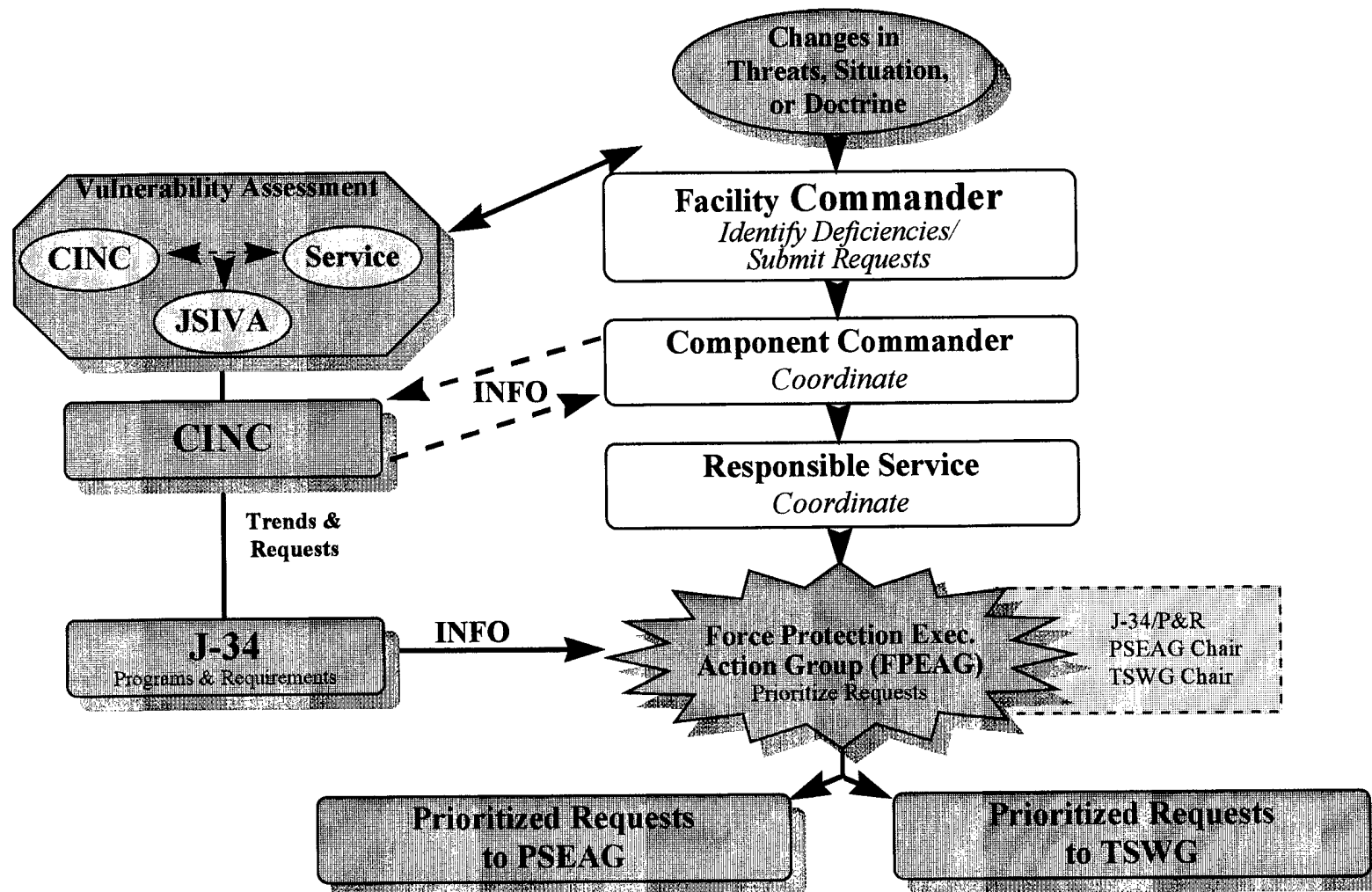
- ◆ Market Surveillance of Commercial Products
- ◆ Task Services / Agencies to Conduct and Report Evaluations
- ◆ Review and Approve Evaluation Plans and Reports

◆ SERVICES / AGENCIES

- ◆ Prepare Evaluation Plans and Reports
- ◆ Conduct Field and / or Laboratory Evaluations



The Request Process





CWVG Priorities

- ◆ 1. Personnel Alerting Systems (Army)
- ◆ 2. Explosive Detection Devices (Navy)
 - ◆ a. Equipment priority- handheld, static, under water
 - ◆ b. Size priority: car, mail, individually carried
 - ◆ c. Explosive priority: C4, Semtex, Nitroglycerin, Sodium Chloride, TNT, RDX
- ◆ 3. Explosive Mitigation (Army, Navy, & DSWA)
 - ◆ a. Blast containment
 - ◆ b. Equipment reducing required standoff distance
 - ◆ c. Equipment providing safe areas
- ◆ 4. Personal Protection Equipment (Army)
 - ◆ a. Chemical / biological protective equipment
 - ◆ b. Protective vests
 - ◆ c. Flares
 - ◆ d. Mace
- ◆ 5. Ground Sensors (Army & Air Force)



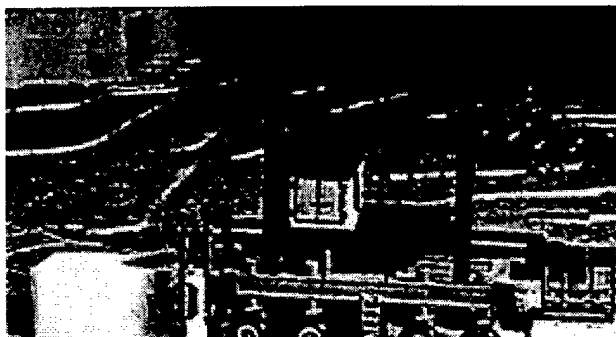
CWVG *Priorities*

- ◆ 6. Active Barriers (Air Force)
- ◆ 7. Passive Barriers (Army & Navy)
 - ◆ a. Portable
 - ◆ b. Fixed
- ◆ 8. Thermal Imaging Devices (Air Force)
- ◆ 9. Wide Area Security & Surveillance System (Army & Air Force)
 - ◆ a. Thermal based systems
 - ◆ b. Harbor / shipboard
 - ◆ c. Underwater
- ◆ 10. Under Vehicle Surveillance Systems (Army & Air Force)



Photoneutron Probe Explosive & Nuclear Material Detector

Supporting Major Program Title: Advanced Security Concepts



Description/Objective

- Permits Portable Non-Intrusive Inspection of Vehicles and Containers
- Combines X-Ray ID of Suspicious Shapes with Neutron Probe for Detection of Specific Contraband
- Integration Permits Quick Scan then Slow Meticulous Inspection for Drugs, Explosives, or Nuclear Material

Significant Accomplishments - FY 98 (Oct 97-May 98)

- Contract awarded to ARACOR, Jan 98

Projected Accomplishments - FY 98 - 99

- **FY 98 (Jun 98 - Sep 98)**
- Develop Conceptual System Design
- Estimate of Contraband Detection Capabilities in Various Operating Scenarios
- Laboratory demonstration of Beryllium plate

FY 99 (Oct 98 - Sep 99)

- Prototype Demo

Agency: HQ/DSWA

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Current Projects

- ◆ EXPLOSIVE DETECTORS
- ◆ CCTV CAMERAS
- ◆ PERSONNEL ALERTING SYSTEM